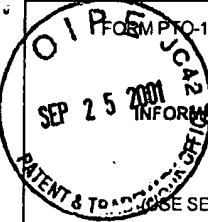
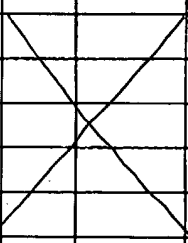


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SHEET 1 OF 2

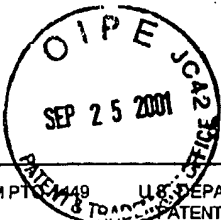
 <p>FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(USE SEVERAL SHEETS IF NECESSARY)</p>	ATTY. DOCKET NO. MVIEWD.1A2DV1	APPLICATION NO. 09/839,948
	APPLICANT Williams, et al.	
	FILING DATE April 19, 2001	GROUP Unknown 1652

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>Jk8</i>	1	3,616,231	10/26/71	Bergmeyer et al.	195	66	
	2	4,460,683	07/17/84	Gloger et al.	435	10	
	3	4,766,106	08/23/88	Katre et al.	514	12	
	4	4,847,325	07/11/89	Shadle et al.	525	54.1	
	5	5,286,637	02/15/94	Veronese et al.	435	183	
	6	5,382,518	01/17/95	Caput et al.	435	191	
	7	5,541,098	07/30/96	Caput et al.	435	191	
	8	5,612,460	03/18/97	Zalipsky	530	391.9	
	9	5,653,974	08/05/97	Hung et al.	424	85.1	
	10	5,643,575	07/01/97	Martinez et al.	424	194.1	
<i>Jk6</i>	11	5,880,255	03/09/99	Delgado et al.	530	303	

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>Jk8</i>	12	DD 279 486 A1	06/06/90	East Germany				X
	13	DD 279 486 A1	06/06/90	East Germany-Abstract			X	
	14	09154581	06/17/97	Japan				X
	15	09154581	06/17/97	Japan-Abstract			X	
<i>Jk6</i>	18	WO 94/19007	09/01/94	PCT				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)		
<i>Jk6</i>	17	Abuchowski et al., (1976), Effect of Covalent Attachment of Polyethylene Glycol on Immunogenicity and Circulating Life of Bovine Liver Catalase, <u>The Journal of Biochemical Chemistry</u> 252:3582-3586	
	18	Burnham, Nora, (1994), Polymers for Delivering Peptides and Proteins, <u>Am. J Hosp Pharm.</u> 51:210-218	
	19	Chua et al., (1988), Use of Polyethylene Glycol-Modified Uricase (PEG-Uricase) to Treat Hyperuricemia in a Patient with Non-Hodgkin Lymphoma, <u>Annals of Internal Medicine</u> 109:114-117.	
	20	Davis et al., (1981), Hypouricaemic Effect of Polyethyleneglycol Modified Urate Oxide, <u>The Lancet</u> pgs. 281-283.	
<i>Jk3</i>	21	Davis et al., (1978), Enzyme-Polyethylene Glycol Adducts: Modified Enzymes with Unique Properties, <u>Enzyme Engineering</u> 4:169-173.	

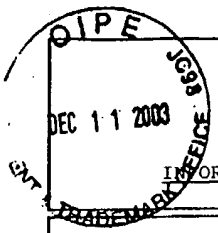
EXAMINER <i>T. Saidha</i>	DATE CONSIDERED <i>2/26/04</i>
<p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>	



FORM PTO-149 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. MVIEWD.1A2DV1	APPLICATION NO. 09/839,948
	APPLICANT Williams, et al.	
	FILING DATE April 19, 2001	GROUP Unknown 1652

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
JOS	22 Donadio et al., (1981), Manifestation De Type Anaphylactique Apres Injection Intra-Veineuse D'urate-Oxydase Chez Un Enfant Asthmatique Atteint De Leucemie Aigue, <u>La Nouvelle Presse Medicale</u> 28:711-712.
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	24 Hande et al., (1984), Severe Allopurinol Toxicity, <u>The American Journal of Medicine</u> 76:47-56.
	25 Hedlund et al., (1991), Magnetic Resonance Microscopy of Toxic Renal Injury Induced by Bromoethylamine in Rats, <u>Fundamental and Applied Toxicology</u> 16:787-797.
	26 Kahn, et al., (1997), Kinetic Mechanism and Cofactor Content of Soybean Root Nodule Urate Oxidase, <u>American Chemical Society</u> 36:4731-4738.
	27 Kunitani et al., (1991), On-Line Characterization of Polyethylene Glycol-Modified Proteins, <u>Journal of Chromatography</u> 588:125-137.
	28 Leach et al., (1998), Efficacy of Urate Oxidase (Uricozyme) in Tumor Lysis Induced Urate Nephropathy, <u>Blackwell Science Limited</u> 20:169-172.
	29 Legoux et al., (1991), Cloning and Expression in Escherichia coli of the Gene Encoding Aspergillus flavus Urate Oxidase <u>The Journal of Biological Chemistry</u> 267:8565-8570.
	30 Mahmoud et al., (1998), Advances in the Management of Malignancy-Associated Hyperuricaemia, <u>British Journal of Cancer</u> 77:18-20.
	31 Miura et al., (1994), Urate Oxidase is Imported into Peroxisomes Recognizing the C-terminal SKL Motif of Proteins, <u>Eur. J. Biochem</u> 223:141-146.
	32 Nishimura et al., (1981), Improved Modification of Yeast Uricase with Polyethylene Glycol, Accompanied with Nonimmunoreactivity towards Anti-Uricase Serum and High Enzymic Activity, <u>Enzyme</u> 26:49-53.
	33 Nucci et al., (1991), The Therapeutic Value of Poly(Ethylene Glycol)-Modified Proteins, <u>Advanced Drug Delivery Reviews</u> 6:133-151.
	34 Pui et al., (1997), Urate Oxidase in Prevention and Treatment of Hyperuricemia Associated with Lymphoid Malignancies, <u>Leukemia</u> 11:1813-1816.
	35 Shearwater Polymers, Inc. (1997-1998), Functionalized Biocompatible Polymers for Research and Pharmaceuticals, <u>Shearwater Polymers, Inc. Catalog</u> 27, 47, 48.
	36 Saifer, et al., (1994), Plasma Clearance and Immunologic Properties of Long-Acting Superoxide Dismutase Prepared Using 35,000 to 120,000 Dalton Poly-Ethylene Glycol, <u>Advances in Experimental Medicine and Biology</u> 366:377-387.
	37 Sartore et al., (1991), Enzyme Modification by MPEG with an Amino Acid or Peptide as Spacer Arms, <u>Applied Biochemistry and Biotechnology</u> 27: 45-54.
	38 Venkateshan et al., (1990), Acute Hyperuricemic Nephropathy and Renal Failure after Transplantation, <u>Nephron</u> 56:317-321.
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JOS	43 Yasuda et al., (1990), Biochemical and Biopharmaceutical Properties of Macromolecular Conjugates of Uricase with Dextran and Polyethylene Glycol. <u>Chem. Pharm. Bull.</u> 38:2053-2056.

EXAMINER T. Sardha	DATE CONSIDERED 2/26/04
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	



FORM PTO-1449

THIRD SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
2057.0090003/JAG/BJD

APPLICATION NO.
09/839,946

APPLICANT
Williams et al.

FILING DATE
April 19, 2001

GROUP
1652

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

Jfs	AR	19	Wang, X., et al., "Rat urate oxidase: cloning and structural analysis of the gene and 5'-flanking region," <i>Gene</i> 97:223-229 (1991).
Jfs	AS	19	Alvares, K., et al., "The nucleotide sequence of a full length cDNA clone encoding rat liver urate oxidase," <i>Biochem. Biophys. Res. Commun.</i> 158:991-995 (1989) (abstract only).
Jfs	AT	19	NCBI Entrez Protein (PRF) Database, deposited sequence for rat urate oxidase (NP 446220), National Library of Medicine, National Institutes of Health, Accession No. 20127395, available online at http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Search&DB=protein (accessed December 10, 2003).

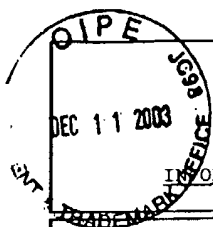
EXAMINER

T. Sacha

DATE CONSIDERED

2/26/04

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